

Please replace the paragraph spanning page 3, line 22 to page 4, line 2, with the following paragraph:

25 --The watermark payload identifying the sensed image can be as long or as short as the application requires. Typically, payloads of between 16 and 64 bits are used, although this is not essential. Shorter payloads have the advantage that they can be more robustly encoded while maintaining a fixed degree of image quality; longer payloads offer a greater universe of identifiers with which the image can be labeled. Illustrative watermarking technology is detailed in the assignee's patent 5,862,260, and in copending application 09/503,881, filed February 14, 2000, entitled Watermark Embedder and Reader. A great variety of other watermarking arrangements may be used, including those proposed in patents 5,930,369, 5,933,798, 5,664,018, 5,825,892, 5,940,429 and 5,889,868.--

In the Claims:

Please cancel claims 1, 2, 16, 22 and 23 without prejudice to or disclaimer of the subject matter recited therein.

Please amend claims 3, 4, 5, 8, 9, 11, 12, 13, 17 and 18 as follows:

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a 1. (Amended) A method comprising:
sensing a media object in human-perceptible form, and converting same to an electronic form, said sensing and converting being performed by a first device;
decoding object identification data from the electronic form, wherein the object identification data comprises plural-bit watermark data steganographically encoded within the sensed media object;
by reference to said object identification data, identifying a set of data stored in a repository at a remote site, the set of data comprising at least one media content file; and
sending said set of data from said repository, wherein the media content file represents the same media object as originally sensed, but represented with higher fidelity or accuracy.

2/ 4. (Amended) The method of claim 3 in which:
the media object comprises a graphic on a printed page; and
the sending comprises sending the set of data to a second device remote from the first device.

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5. (Amended) The method of claim 3 in which the decoding is also performed by said first device, and the method includes sending at least a part of the watermark data from the first device.

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98. (Amended) A method comprising:
sensing a media object in human-perceptible form, and converting same to an electronic form, said sensing and converting being performed by a first device;
decoding object identification data from the electronic form, the object identification data comprising plural-bit watermark data steganographically encoded within the sensed media object, wherein the decoding is performed by the first device;
sending at least a part of the watermark data from the first device to a data repository, the data repository being remote from the first device;
by reference to said object identification data, identifying a set of data stored in the data repository, the set of data comprising at least one media content file; and
sending a destination identifier to the data repository from the first device, the data repository thereafter sending the set of data in accordance with said destination identifier.

129. (Amended) A method comprising:
sensing a media object in human-perceptible form, and converting same to an electronic form, said sensing and converting being performed by a first device;
decoding object identification data from the electronic form, the object identification data comprising plural-bit watermark data steganographically encoded within the sensed media object, wherein the decoding is performed by said first device;

94 sending at least a part of the watermark data from the first device to a second device, the second device being remote from the first device;

from the second device, accessing a data repository by use of the at least a part of the watermark data, wherein the second device is distinct from the data repository;

by reference to said object identification data, identifying a set of data stored in the data repository, the set of data comprising at least one media content file;

sending said set of data from said data repository; and

receiving at the second device, the set of data from the data repository.

14/11. (Amended) A method comprising:

sensing a media object in human-perceptible form, and converting same to an electronic form, said sensing and converting being performed by a first device;

decoding object identification data from the electronic form, the object identification data comprising plural-bit watermark data steganographically encoded within the sensed media object, wherein the decoding is performed by said first device;

95 sending at least a part of the watermark data from the first device to a second device, the second device being remote from the first device and being distinct from a data repository at a remote site;

by reference to said object identification data, identifying a set of data stored in the data repository at the remote site, the set of data comprising at least one media content file; and

sending said set of data from said data repository.

3/12. (Amended) The method of claim 3 in which the decoding is performed by a second device remote from the first device.

16/13. (Amended) A method comprising:

sensing a media object in human-perceptible form, and converting same to an electronic form, said sensing and converting being performed by a first device;

sending the electronic form of the media object to a second device remote from the first device;

25 decoding object identification data from the electronic form, the object identification data comprising plural-bit watermark data steganographically encoded within the sensed media object, the decoding being performed by the second device;

using at least part of said watermark data to access a data repository at a remote site;

by reference to said object identification data, identifying a set of data stored in the data repository at the remote site, the set of data comprising at least one media content file;

sending said set of data from said data repository; and

receiving, at the second device, the set of data from said data repository.

26 4/17. (Amended) The method of claim 3 which includes sending the set of data from the repository to a second device after decoding the watermark data at a third device distinct from the first and second devices.

5 5/18. (Amended) The method of claim 3 in which the media object comprises audio.

*Please add new claims 24-32 as follows:

10/24. (New) The method according to claim 8, wherein the destination identifier is sent with the at least a part of the watermark data.

9 11. 28. (New) The method according to claim 8, wherein the set of data is sent from the data repository to a second device, wherein the second device is remote from both the first device and the data repository.

14 15/26. (New) The method of claim 11, wherein the set of data is sent from the repository to the second device.

27. (New) The method of claim 19, wherein the object identification data comprises plural-bit watermark data steganographically encoded within the sensed media object, the repository communicating with a network, and wherein the first device communicates with the

SUB B37 network through a relatively low bandwidth channel, and the destination communicates with the network through a relatively high bandwidth channel, the destination being distinct from the first device.

28. (New) The method of claim 27, wherein the decoded object identification data is transmitted from the first device to the repository with instructions to invoke delivery of the data set from the repository to the destination.

23/22 (New) The method of claim 28, wherein the instructions include an address of the destination.

SUB B47 30. (New) The method of claim 27, wherein the decoded object identification data is transmitted from the first device to the destination, and the destination communicates instructions to the repository to invoke delivery of the data set from the repository to the destination.

25/24 (New) The method of claim 30, in which the decoding is performed by the destination.

SUB B57 32. (New) The method of claim 19 which includes sending the set of data from the repository to a second device after decoding the watermark data at a third device which is distinct from the first and second devices, the destination comprising the second device.

REMARKS

With this Amendment, claims 3-15, 17-21 and 24-32 are pending in the present application.

Claims 1, 2, 16, 22 and 23 have been cancelled herein without prejudice. Claims 24-32 are newly presented. Claims 3, 8, 9, 11 and 13 have been amended in independent form, and not